

<110> INCYTE CORPORATION; CHAWLA, Narinder K.;
TANG, Y. Tom Tang; GRIFFIN, Jennifer A.;
YANG, Yonghong G.; RAMKUMAR, Jayalaxmi;
KHARE, Reena; RICHARDSON, Thomas W.;
BECHA, Shanya D.; TRAN, Uyen K.;
KABLE, Amy E.; SWARNAKAR, Anita;
WARREN, Bridget A.; ELLIOTT, Vicki S.;
MARQUIS, Joseph P.; HAFALIA, April J.A.

<120> CARBOHYDRATE-ASSOCIATED PROTEINS

<130> PF-1612 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/425,423
<151> 2002-11-12

<150> US 60/441,847
<151> 2003-01-21

<150> US 60/453,882
<151> 2003-03-10

<150> US 60/456,645
<151> 2003-03-20

<150> US 60/463,676
<151> 2003-04-16

<160> 40

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<210> 1

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521032CD1

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Met	Ser	Leu	Phe	Pro	Ser	Leu	Pro	Leu	Leu	Leu	Ser	Met	Val	
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Ala	Ala	Ser	Tyr	Ser	Glu	Thr	Val	Thr	Cys	Glu	Asp	Ala	Gln	Lys
					20				25					30
Thr	Cys	Pro	Ala	Val	Ile	Ala	Cys	Ser	Ser	Pro	Gly	Ile	Asn	Gly
					35				40					45
Phe	Pro	Gly	Lys	Asp	Gly	Arg	Asp	Gly	Thr	Lys	Gly	Lys	Gly	
					50				55					60
Glu	Pro	Gly	Gln	Gly	Leu	Arg	Gly	Leu	Gln	Gly	Pro	Pro	Gly	Lys
					65				70					75
Leu	Gly	Pro	Pro	Gly	Asn	Pro	Gly	Pro	Ser	Gly	Ser	Pro	Gly	Pro
					80				85					90
Lys	Gly	Gln	Lys	Gly	Asp	Pro	Gly	Lys	Ser	Pro	Gly	Lys	Asp	Pro
					95				100					105
Ser	Lys	Val												

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<211> 622

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<220>
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1 5 10 15
Ala Pro Tyr His Thr Gly Asp Pro Gln Leu Asp Thr Ala Ile Gly
20 25 30
Gln Trp Leu Arg Trp Asp Lys Asn Pro Lys Thr Lys Glu Gln Ile
35 40 45
Glu Asn Leu Leu Arg Asn Gly Met Asn Lys Glu Leu Arg Asp Arg
50 55 60
Leu Cys Cys Arg Met Thr Phe Gly Thr Ala Gly Leu Arg Ser Ala
65 70 75
Met Gly Ala Gly Phe Cys Tyr Ile Asn Asp Leu Thr Val Ile Gln
80 85 90
Ser Thr Gln Gly Met Tyr Lys Tyr Leu Glu Arg Cys Phe Ser Asp
95 100 105
Phe Lys Gln Arg Gly Phe Val Val Gly Tyr Asp Thr Arg Gly Gln
110 115 120
Val Thr Ser Ser Cys Ser Ser Gln Arg Leu Ala Lys Leu Thr Ala
125 130 135
Ala Val Leu Leu Ala Lys Asp Val Pro Val Tyr Leu Phe Ser Arg
140 145 150
Tyr Val Pro Thr Pro Phe Val Pro Tyr Ala Val Gln Lys Leu Lys
155 160 165
Ala Val Ala Gly Val Met Ile Thr Ala Ser His Asn Arg Lys Glu
170 175 180
Asp Asn Gly Tyr Lys Val Tyr Trp Glu Thr Gly Ala Gln Ile Thr
185 190 195
Ser Pro His Asp Lys Glu Ile Leu Lys Cys Ile Glu Glu Cys Val
200 205 210
Glu Pro Trp Asn Gly Ser Trp Asn Asp Asn Leu Val Asp Thr Ser
215 220 225
Pro Leu Lys Arg Asp Pro Leu Gln Asp Ile Cys Arg Arg Tyr Met
230 235 240
Glu Asp Leu Lys Lys Ile Cys Phe Tyr Arg Glu Leu Asn Ser Lys
245 250 255
Thr Thr Leu Lys Phe Val His Thr Ser Phe His Gly Val Gly His
260 265 270
Asp Tyr Val Gln Leu Ala Phe Lys Val Phe Gly Phe Lys Pro Pro
275 280 285
Ile Pro Val Pro Glu Gln Lys Asp Pro Asp Pro Asp Phe Ser Thr
290 295 300
Val Lys Cys Pro Asn Pro Glu Glu Gly Glu Ser Val Leu Glu Leu
305 310 315
Ser Leu Arg Leu Ala Glu Lys Glu Asn Ala Arg Val Val Leu Ala
320 325 330
Thr Asp Pro Asp Ala Asp Arg Leu Ala Ala Ala Glu Leu Gln Glu
335 340 345
Asn Gly Cys Trp Lys Val Phe Thr Gly Asn Glu Leu Ala Ala Leu
350 355 360
Phe Gly Trp Trp Met Phe Asp Cys Trp Lys Lys Asn Lys Ser Arg
365 370 375
Asn Ala Asp Val Lys Asn Val Tyr Met Leu Ala Thr Thr Val Ser
380 385 390
Ser Lys Ile Leu Lys Ala Ile Ala Leu Lys Glu Gly Phe His Phe
395 400 405
Glu Glu Thr Leu Pro Gly Phe Lys Trp Ile Gly Ser Arg Ile Ile

	410		415		420									
Asp	Leu	Leu	Glu	Asn	Gly	Lys	Glu	Val	Leu	Phe	Ala	Phe	Glu	Glu
	425				430									435
Ser	Ile	Gly	Phe	Leu	Cys	Gly	Thr	Ser	Val	Leu	Asp	Lys	Asp	Gly
	440				445									450
Val	Ser	Ala	Ala	Val	Val	Val	Ala	Glu	Met	Ala	Ser	Tyr	Leu	Glu
	455				460									465
Thr	Met	Asn	Ile	Thr	Leu	Lys	Gln	Gln	Leu	Val	Lys	Val	Tyr	Glu
	470				475									480
Lys	Tyr	Gly	Tyr	His	Ile	Ser	Lys	Thr	Ser	Tyr	Phe	Leu	Cys	Tyr
	485				490									495
Glu	Pro	Pro	Thr	Ile	Lys	Ser	Ile	Phe	Glu	Arg	Leu	Arg	Asn	Phe
	500				505									510
Asp	Ser	Pro	Lys	Glu	Tyr	Pro	Lys	Phe	Cys	Gly	Thr	Phe	Ala	Ile
	515				520									525
Leu	His	Val	Arg	Asp	Ile	Thr	Thr	Gly	Tyr	Asp	Ser	Ser	Gln	Pro
	530				535									540
Asn	Lys	Lys	Ser	Val	Leu	Pro	Val	Ser	Lys	Asn	Ser	Gln	Met	Ile
	545				550									555
Thr	Phe	Thr	Phe	Gln	Asn	Gly	Cys	Val	Ala	Thr	Leu	Arg	Thr	Ser
	560				565									570
Gly	Thr	Glu	Pro	Lys	Ile	Lys	Tyr	Tyr	Ala	Glu	Met	Cys	Ala	Ser
	575				580									585
Pro	Asp	Gln	Ser	Asp	Thr	Ala	Leu	Leu	Glu	Glu	Glu	Leu	Lys	Lys
	590				595									600
Leu	Ile	Asp	Ala	Leu	Ile	Glu	Asn	Phe	Leu	Gln	Pro	Ser	Lys	Asn
	605				610									615
Gly	Leu	Ile	Trp	Arg	Ser	Val								
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<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7521726CD1

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Met	Ala	Gly	Cys	Val	Pro	Leu	Leu	Gln	Gly	Leu	Val	Leu		
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Ala	Leu	His	Arg	Val	Glu	Pro	Ser	Val	Phe	Leu	Pro	Ala	Ser	Lys
				20				25					30	
Ala	Asn	Asp	Val	Leu	Val	Arg	Trp	Lys	Arg	Ala	Gly	Ser	Tyr	Leu
				35				40					45	
Leu	Glu	Glu	Leu	Phe	Glu	Gly	Asn	Leu	Glu	Lys	Glu	Cys	Tyr	Glu
				50				55					60	
Glu	Thr	Cys	Val	Tyr	Glu	Glu	Ala	Arg	Glu	Val	Phe	Glu	Asn	Glu
				65				70					75	
Val	Val	Thr	Asp	Glu	Phe	Trp	Arg	Arg	Tyr	Lys	Gly	Gly	Ser	Pro
				80				85					90	
Cys	Ile	Ser	Gln	Pro	Cys	Leu	His	Asn	Gly	Ser	Cys	Gln	Asp	Ser
				95				100					105	
Ile	Trp	Gly	Tyr	Thr	Cys	Thr	Cys	Ser	Pro	Gly	Tyr	Glu	Gly	Ser
				110				115					120	
Asn	Cys	Glu	Leu	Ala	Lys	Asn	Glu	Cys	His	Pro	Glu	Arg	Thr	Asp
				125				130					135	
Gly	Cys	Gln	His	Phe	Cys	Leu	Pro	Gly	Gln	Glu	Ser	Tyr	Thr	Cys
				140				145					150	
Ser	Cys	Ala	Gln	Gly	Tyr	Arg	Leu	Gly	Glu	Asp	His	Lys	Gln	Cys
				155				160					165	
Val	Pro	His	Asp	Gln	Cys	Ala	Cys	Gly	Val	Leu	Thr	Ser	Glu	Lys

	170	175	180
Arg Ala Pro Asp Leu Gln Asp Leu Pro Trp Gln Asn Glu Pro Arg			
185	190	195	
Pro Ala Asp Asp Gln Asp Asn Ala Arg Pro Cys Ala His Ala Val			
200	205	210	

<210> 4
<211> 248
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<213> Homo sapiens

<220>
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<223> Incyte ID No: 7523383CD1

<400> 4

Met Ala Lys Asp Phe Gln Asp Ile Gln Gln Leu Ser Ser Glu Glu			
1	5	10	15
Asn Asp His Pro Phe His Gln Gly Ala Gln Leu Gln Ala Glu Leu			
20	25	30	
Arg Ser Leu Lys Glu Ala Phe Ser Asn Phe Ser Ser Ser Thr Leu			
35	40	45	
Thr Glu Val Gln Ala Ile Ser Thr His Gly Gly Ser Val Gly Asp			
50	55	60	
Lys Ile Thr Ser Leu Gly Ala Lys Leu Glu Lys Gln Gln Gln Asp			
65	70	75	
Leu Lys Ala Asp His Asp Ala Leu Leu Phe His Leu Lys His Phe			
80	85	90	
Pro Val Asp Leu Arg Phe Val Ala Cys Gln Met Glu Leu Leu His			
95	100	105	
Ser Asn Gly Ser Gln Arg Thr Cys Cys Pro Val Asn Trp Val Glu			
110	115	120	
His Gln Gly Ser Cys Tyr Trp Phe Ser His Ser Gly Lys Ala Trp			
125	130	135	
Ala Glu Ala Glu Lys Tyr Cys Gln Leu Glu Asn Ala His Leu Val			
140	145	150	
Val Ile Asn Ser Trp Glu Glu Gln Lys Phe Ile Val Gln His Thr			
155	160	165	
Asn Pro Phe Asn Thr Trp Ile Gly Leu Thr Asp Ser Asp Gly Ser			
170	175	180	
Trp Lys Trp Val Asp Gly Thr Asp Tyr Arg His Asn Tyr Lys Asn			
185	190	195	
Trp Ala Val Thr Gln Pro Asp Asn Trp His Gly His Glu Leu Gly			
200	205	210	
Gly Ser Glu Asp Cys Val Glu Val Gln Pro Asp Gly Arg Trp Asn			
215	220	225	
Asp Asp Phe Cys Leu Gln Val Tyr Arg Trp Val Cys Gly Lys Arg			
230	235	240	
Arg Asn Ala Thr Gly Glu Val Ala			
245			

<210> 5
<211> 97
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<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7522027CD1

<400> 5

Met Ala Gly Cys Val Pro Leu Leu Gln Gly Leu Val Leu Val Leu			
---	--	--	--

1	5	10	15
Ala	Leu	His	Arg
Val	Glu	Pro	Ser
Val	Phe	Leu	Pro
20	25	30	
Ala	Asn	Asp	Val
Leu	Val	Arg	Trp
Lys	Arg	Ala	Gly
35	40	45	
Leu	Glu	Glu	Leu
Phe	Glu	Gly	Asn
Leu	Glu	Lys	Glu
50	55	60	
Glu	Ile	Cys	Val
Tyr	Glu	Glu	Ala
Arg	Val	Phe	Glu
65	70	75	
Val	Val	Thr	Asp
Glu	Phe	Trp	Arg
Arg	Tyr	Lys	Gly
80	85	90	
Pro	Ser	Ser	Pro
Gln	Lys	Tyr	
95			

<210> 6
<211> 479
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<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7524406CD1

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Met	Gly	Arg	Ile	Gly	Ile	Ser	Cys	Leu	Phe	Pro	Ala	Ser	Trp	His
1	5	10	15											
Phe	Ser	Ile	Ser	Pro	Val	Gly	Cys	Pro	Arg	Ile	Leu	Asn	Thr	Asn
20	25	30												
Leu	Arg	Gln	Ile	Met	Val	Ile	Ser	Val	Leu	Ala	Ala	Ala	Val	Ser
35	40	45												
Leu	Leu	Tyr	Phe	Ser	Val	Val	Ile	Ile	Arg	Asn	Lys	Tyr	Gly	Arg
50	55	60												
Leu	Thr	Arg	Asp	Lys	Lys	Phe	Gln	Arg	Tyr	Leu	Ala	Arg	Val	Thr
65	70	75												
Asp	Ile	Glu	Ala	Thr	Asp	Thr	Asn	Asn	Pro	Asn	Val	Ser	Tyr	Gly
80	85	90												
Ile	Val	Val	Asp	Cys	Gly	Ser	Ser	Gly	Ser	Arg	Val	Phe	Val	Tyr
95	100	105												
Cys	Trp	Pro	Arg	His	Asn	Gly	Asn	Pro	His	Asp	Leu	Leu	Asp	Ile
110	115	120												
Arg	Gln	Met	Arg	Asp	Lys	Asn	Arg	Lys	Pro	Val	Val	Met	Lys	Ile
125	130	135												
Lys	Pro	Gly	Ile	Ser	Glu	Phe	Ala	Thr	Ser	Pro	Glu	Lys	Val	Ser
140	145	150												
Asp	Tyr	Ile	Ser	Pro	Leu	Leu	Asn	Phe	Ala	Ala	Glu	His	Val	Pro
155	160	165												
Arg	Ala	Lys	His	Lys	Glu	Thr	Pro	Leu	Tyr	Ile	Leu	Cys	Thr	Ala
170	175	180												
Gly	Met	Arg	Ile	Leu	Pro	Glu	Ser	Gln	Gln	Lys	Ala	Ile	Leu	Glu
185	190	195												
Asp	Leu	Leu	Thr	Asp	Ile	Pro	Val	His	Phe	Asp	Phe	Leu	Phe	Ser
200	205	210												
Asp	Ser	His	Ala	Glu	Val	Ile	Ser	Gly	Lys	Gln	Glu	Gly	Val	Tyr
215	220	225												
Ala	Trp	Ile	Gly	Ile	Asn	Phe	Val	Leu	Gly	Arg	Phe	Glu	His	Ile
230	235	240												
Glu	Asp	Asp	Asp	Glu	Ala	Val	Val	Glu	Val	Asn	Ile	Pro	Gly	Ser
245	250	255												
Glu	Ser	Ser	Glu	Ala	Ile	Val	Arg	Lys	Arg	Thr	Ala	Gly	Ile	Leu
260	265	270												
Asp	Met	Gly	Gly	Val	Ser	Thr	Gln	Ile	Ala	Tyr	Glu	Val	Pro	Lys
275	280	285												
Thr	Glu	Glù	Val	Ala	Lys	Asn	Leu	Leu	Ala	Glu	Phe	Asn	Leu	Gly

290	295	300
Cys Asp Val His Gln Thr Glu His Val Tyr Arg Val Tyr Val Ala		
305	310	315
Thr Phe Leu Gly Phe Gly Gly Asn Ala Ala Arg Gln Arg Tyr Glu		
320	325	330
Asp Arg Ile Phe Ala Asn Thr Ile Gln Lys Asn Arg Leu Leu Gly		
335	340	345
Lys Gln Thr Gly Leu Thr Pro Asp Met Pro Tyr Leu Asp Pro Cys		
350	355	360
Leu Pro Leu Asp Ile Lys Asp Glu Ile Gln Gln Asn Gly Gln Thr		
365	370	375
Ile Tyr Leu Arg Gly Thr Gly Asp Phe Asp Leu Cys Arg Glu Thr		
380	385	390
Ile Gln Pro Phe Met Asn Lys Thr Asn Glu Thr Gln Thr Ser Leu		
395	400	405
Asn Gly Val Tyr Gln Pro Pro Ile His Phe Gln Asn Ser Glu Phe		
410	415	420
Tyr Gly Phe Ser Glu Phe Tyr Tyr Cys Thr Glu Asp Val Leu Arg		
425	430	435
Met Gly Gly Asp Tyr Asn Ala Ala Lys Phe Thr Lys Ala Ala Lys		
440	445	450
Asp Tyr Cys Ala Thr Lys Trp Ser Ile Leu Arg Glu Arg Phe Asp		
455	460	465
Arg Gly Leu Tyr Ala Ser His Ala Asp Leu His Arg Leu Lys		
470	475	

<210> 7

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524922CD1

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Met Ser Asp Ser Lys Glu Pro Arg Val Gln Gln Leu Gly Leu Leu		
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Val Ser Lys Val Pro Ser Ser Leu Ser Gln Glu Gln Ser Glu Gln		
20 25 30		
Asp Ala Ile Tyr Gln Asn Leu Thr Gln Leu Lys Ala Ala Val Gly		
35 40 45		
Glu Leu Ser Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu		
50 55 60		
Thr Gln Leu Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys		
65 70 75		
Leu Gln Glu Ile Tyr Gln Glu Leu Thr Arg Leu Lys Ala Ala Val		
80 85 90		
Gly Glu Leu Pro Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu		
95 100 105		
Leu Thr Arg Leu Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser		
110 115 120		
Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr Gln Leu Lys Ala Ala		
125 130 135		
Val Gly Glu Leu Pro Asp Gln Ser Lys Gln Gln Gln Ile Tyr Gln		
140 145 150		
Glu Leu Thr Asp Leu Lys Thr Ala Phe Glu Arg Leu Cys Arg His		
155 160 165		
Cys Pro Lys Asp Trp Thr Phe Phe Gln Gly Asn Cys Tyr Phe Met		
170 175 180		
Ser Asn Ser Gln Arg Asn Trp His Asn Ser Val Thr Ala Cys Gln		
185 190 195		
Glu Val Arg Ala Gln Leu Val Val Ile Lys Thr Ala Glu Glu Gln		

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<220>
 <221> misc_feature
 <223> Incyte ID No: 7512039CD1

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 Met Asn Ser Ser Lys Ser Ser Glu Thr Gln Cys Thr Glu Arg Gly
 1 5 10 15
 Cys Phe Ser Ser Gln Met Phe Leu Trp Thr Val Ala Gly Ile Pro
 20 25 30
 Ile Leu Phe Leu Ser Ala Cys Phe Ile Thr Arg Cys Val Val Thr
 35 40 45
 Phe Arg Ile Phe Gln Thr Cys Asp Glu Lys Lys Phe Gln Leu Pro
 50 55 60
 Glu Asn Phe Thr Glu Leu Ser Cys Tyr Asn Tyr Gly Ser Ala Ser
 65 70 75
 Gly Met

<210> 10
 <211> 415
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7512576CD1

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 Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu
 1 5 10 15
 Leu Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu
 20 25 30
 Arg Arg Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala
 35 40 45
 Leu Pro Gly Ala Gly Ile Pro Phe Trp Ser His His Gly Asp Ala
 50 55 60
 Ile Leu Gly Leu Glu Glu Val Arg Leu Thr Pro Ser Met Arg Asn
 65 70 75
 Arg Ser Gly Ala Val Trp Ser Arg Ala Ser Val Pro Phe Ser Ala
 80 85 90
 Trp Glu Val Glu Val Gln Met Arg Val Thr Gly Leu Gly Arg Arg
 95 100 105
 Gly Ala Gln Gly Met Ala Val Trp Tyr Thr Arg Gly Arg Gly His
 110 115 120
 Val Gly Ser Val Leu Gly Gly Leu Ala Ser Trp Asp Gly Ile Gly
 125 130 135
 Ile Phe Phe Asp Ser Pro Ala Glu Asp Thr Gln Asp Ser Pro Ala
 140 145 150
 Ile Arg Val Leu Ala Ser Asp Gly His Ile Pro Ser Glu Gln Pro
 155 160 165
 Gly Asp Gly Ala Ser Gln Gly Leu Gly Ser Cys His Trp Asp Phe
 170 175 180
 Arg Asn Arg Pro His Pro Phe Arg Ala Arg Ile Thr Tyr Trp Gly
 185 190 195
 Gln Arg Leu Arg Met Ser Leu Asn Ser Gly Leu Thr Pro Ser Asp
 200 205 210

Pro	Asp	Asp	His	Asp	Val	Leu	Ser	Phe	Leu	Thr	Phe	Ser	Leu	Ser
				215					220					225
Glu	Pro	Ser	Pro	Glu	Val	Pro	Pro	Gln	Pro	Phe	Leu	Glu	Met	Gln
				230					235					240
Gln	Leu	Arg	Leu	Ala	Arg	Gln	Leu	Glu	Gly	Leu	Trp	Ala	Arg	Leu
				245					250					255
Gly	Leu	Gly	Thr	Arg	Glu	Asp	Val	Thr	Pro	Lys	Ser	Asp	Ser	Glu
				260					265					270
Ala	Gln	Gly	Glu	Gly	Glu	Arg	Leu	Phe	Asp	Leu	Glu	Glu	Thr	Leu
				275					280					285
Gly	Arg	His	Arg	Arg	Ile	Leu	Gln	Ala	Leu	Arg	Gly	Leu	Ser	Lys
				290					295					300
Gln	Leu	Ala	Gln	Ala	Glu	Arg	Gln	Trp	Lys	Lys	Gln	Leu	Gly	Pro
				305					310					315
Pro	Gly	Gln	Ala	Arg	Pro	Asp	Gly	Gly	Trp	Ala	Leu	Asp	Ala	Ser
				320					325					330
Cys	Gln	Ile	Pro	Ser	Thr	Pro	Gly	Arg	Gly	Gly	His	Leu	Ser	Met
				335					340					345
Ser	Leu	Asn	Lys	Asp	Ser	Ala	Lys	Val	Gly	Ala	Leu	Leu	His	Gly
				350					355					360
Gln	Trp	Thr	Leu	Leu	Gln	Ala	Leu	Gln	Glu	Met	Ser	Arg	Gln	Glu
				365					370					375
Leu	Asn	Lys	Ser	Leu	Gln	Glu	Cys	Leu	Ser	Thr	Gly	Ser	Leu	Pro
				380					385					390
Leu	Gly	Pro	Ala	Pro	His	Thr	Pro	Arg	Ala	Leu	Gly	Ile	Leu	Met
				395					400					405
Arg	Gln	Pro	Leu	Pro	Ala	Ser	Met	Pro	Ala					
				410					415					

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<212> PRT
<213> Homo sapiens

<220>
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1				5					10					15
Gly	Pro	Gly	Gly	Trp	Cys	Leu	Ala	Glu	Pro	Pro	Arg	Asp	Ser	Leu
				20					25					30
Arg	Glu	Glu	Leu	Val	Ile	Thr	Pro	Leu	Pro	Ser	Gly	Asp	Val	Ala
				35					40					45
Ala	Thr	Phe	Gln	Phe	Arg	Thr	Arg	Trp	Asp	Ser	Glu	Leu	Gln	Arg
				50					55					60
Glu	Gly	Gly	Leu	Ser	Val	Leu	Leu	Lys	Ala	Asp	Arg	Leu	Phe	His
				65					70					75
Thr	Ser	Tyr	His	Ser	Gln	Ala	Val	His	Ile	Arg	Pro	Val	Cys	Arg
				80					85					90
Asn	Ala	Arg	Cys	Thr	Ser	Ile	Ser	Trp	Glu	Leu	Arg	Gln	Thr	Leu
				95					100					105
Ser	Val	Val	Phe	Asp	Ala	Phe	Ile	Ala	Gly	Gln	Gly	Lys	Lys	Asp
				110					115					120
Trp	Ser	Leu	Phe	Arg	Met	Phe	Ser	Arg	Thr	Leu	Thr	Glu	Pro	Cys
				125					130					135
Pro	Leu	Ala	Ser	Glu	Ser	Arg	Val	Tyr	Val	Asp	Ile	Thr	Thr	Tyr
				140					145					150
Asn	Gln	Asp	Asn	Glu	Thr	Leu	Glu	Val	His	Pro	Pro	Pro	Thr	Thr
				155					160					165
Thr	Tyr	Gln	Asp	Val	Ile	Leu	Gly	Thr	Arg	Lys	Thr	Tyr	Ala	Ile
				170					175					180

Tyr	Asp	Leu	Leu	Asp	Thr	Ala	Met	Ile	Asn	Asn	Ser	Arg	Asn	Leu
									185	190				195
Asn	Ile	Gln	Leu	Lys	Trp	Lys	Arg	Pro	Pro	Glu	Asn	Glu	Ala	Pro
									200	205				210
Pro	Val	Pro	Phe	Leu	Arg	Ala	Gln	Arg	Tyr	Val	Ser	Gly	Tyr	Gly
									215	220				225
Leu	Gln	Lys	Gly	Glu	Leu	Ser	Thr	Leu	Leu	Tyr	Asn	Thr	His	Pro
									230	235				240
Tyr	Arg	Ala	Phe	Pro	Val	Leu	Leu	Leu	Asp	Thr	Val	Pro	Trp	Tyr
									245	250				255
Leu	Arg	Leu	Tyr	Val	His	Thr	Leu	Thr	Ile	Thr	Ser	Lys	Gly	Lys
									260	265				270
Glu	Asn	Lys	Pro	Ser	Tyr	Ile	His	Tyr	Gln	Pro	Ala	Gln	Asp	Arg
									275	280				285
Leu	Gln	Pro	His	Leu	Leu	Glu	Met	Leu	Ile	Gln	Leu	Pro	Ala	Asn
									290	295				300
Ser	Val	Thr	Lys	Val	Ser	Ile	Gln	Phe	Glu	Arg	Ala	Leu	Leu	Lys
									305	310				315
Trp	Thr	Glu	Tyr	Thr	Pro	Asp	Pro	Asn	His	Gly	Phe	Tyr	Val	Ser
									320	325				330
Pro	Ser	Val	Leu	Ser	Ala	Leu	Val	Pro	Ser	Met	Val	Ala	Ala	Lys
									335	340				345
Pro	Val	Asp	Trp	Glu	Glu	Ser	Pro	Leu	Phe	Asn	Ser	Leu	Phe	Pro
									350	355				360
Val	Ser	Asp	Gly	Ser	Asn	Tyr	Phe	Val	Arg	Leu	Tyr	Thr	Glu	Pro
									365	370				375
Leu	Leu	Val	Asn	Leu	Pro	Thr	Pro	Asp	Phe	Ser	Met	Pro	Tyr	Asn
									380	385				390
Val	Ile	Cys	Leu	Thr	Cys	Thr	Val	Val	Ala	Val	Cys	Tyr	Gly	Ser
									395	400				405
Phe	Tyr	Asn	Leu	Leu	Thr	Arg	Thr	Phe	His	Ile	Glu	Glu	Pro	Arg
									410	415				420
Thr	Gly	Gly	Leu	Ala	Lys	Arg	Leu	Ala	Asn	Leu	Ile	Arg	Arg	Ala
									425	430				435
Arg	Gly	Val	Pro	Pro	Leu									
					440									

<210> 12
<211> 283
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 8266965CD1

<400>	12													
Met	Thr	Gln	Leu	Lys	Glu	Ala	Ala	Ile	Gly	Val	Leu	Val	Leu	Ser
									1	5	10			15
Trp	Tyr	Pro	Pro	Gly	Met	Ala	Asp	Asp	Asn	Gly	Glu	Pro	Ser	Asp
									20	25				30
Asp	Leu	Val	Pro	Ala	Ile	Leu	Asp	Thr	Ala	His	Gln	Tyr	Ser	Ile
									35	40				45
Gln	Val	Ala	Phe	His	Ile	Gln	Pro	Tyr	Lys	Gly	Arg	Asp	Asp	Ile
									50	55				60
Thr	Val	His	Asp	Asn	Ile	Lys	Tyr	Ile	Ile	Asp	Thr	Tyr	Gly	Ser
									65	70				75
His	Gly	Ala	Phe	Tyr	Arg	Tyr	Lys	Asn	Ser	Met	Gly	Lys	Ser	Leu
									80	85				90
Pro	Leu	Phe	Tyr	Ile	Tyr	Asp	Ser	Tyr	Leu	Thr	Ser	Pro	Glu	Ala
									95	100				105
Trp	Ala	His	Leu	Leu	Thr	Pro	Asn	Gly	Pro	His	Ser	Ile	Arg	Asn
									110	115				120

Thr	Pro	Tyr	Asp	Gly	Val	Phe	Ile	Ala	Leu	Leu	Val	Glu	Glu	Gly
				125					130			135		
His	Thr	His	Asp	Ile	Leu	Ala	Ala	Gly	Phe	Asp	Gly	Met	Tyr	Thr
				140					145			150		
Tyr	Phe	Ala	Ser	Asn	Gly	Phe	Ser	Phe	Gly	Ser	Ser	His	Gln	Asn
				155					160			165		
Trp	Lys	Ala	Val	Lys	Asn	Phe	Cys	Asp	Ala	Asn	Asn	Leu	Met	Phe
				170					175			180		
Ile	Pro	Ser	Val	Gly	Pro	Gly	Tyr	Ile	Asp	Thr	Ser	Ile	Arg	Pro
				185					190			195		
Trp	Asn	Asn	His	Asn	Thr	Arg	Asn	Arg	Val	Asn	Gly	Lys	Tyr	Tyr
				200					205			210		
Glu	Thr	Ala	Leu	Gln	Ala	Ala	Leu	Thr	Val	Arg	Pro	Glu	Ile	Val
				215					220			225		
Ser	Ile	Thr	Ser	Phe	Asn	Glu	Trp	His	Glu	Gly	Thr	Gln	Ile	Glu
				230					235			240		
Lys	Ala	Ile	Pro	Lys	Lys	Thr	Pro	Thr	Arg	Leu	Tyr	Leu	Asp	Tyr
				245					250			255		
Leu	Pro	His	Gln	Pro	Ser	Leu	Tyr	Leu	Glu	Leu	Thr	Arg	Arg	Trp
				260					265			270		
Ala	Glu	His	Phe	Ile	Lys	Glu	Lys	Glu	Gln	Trp	Leu	Met		
				275					280					

<210> 13

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7515124CD1

<400> 13

Met	Ser	Ala	Leu	Trp	Leu	Leu	Gly	Leu	Leu	Ala	Leu	Met	Gly	
				1	5			10				15		
Val	Arg	Ala	Ser	Glu	Arg	Leu	Ala	Glu	Ile	Asp	Met	Pro	Tyr	Leu
					20				25			30		
Leu	Lys	Tyr	Gln	Pro	Met	Met	Gln	Thr	Ile	Gly	Gln	Lys	Tyr	Cys
					35				40			45		
Met	Asp	Pro	Ala	Val	Ile	Ala	Gly	Val	Leu	Ser	Arg	Lys	Ser	Pro
					50				55			60		
Gly	Asp	Lys	Ile	Leu	Val	Asn	Met	Gly	Asp	Arg	Thr	Ser	Met	Val
					65				70			75		
Gln	Asp	Pro	Gly	Ser	Gln	Ala	Pro	Thr	Ser	Trp	Ile	Ser	Glu	Ser
					80				85			90		
Gln	Val	Ser	Gln	Thr	Thr	Glu	Val	Leu	Thr	Thr	Arg	Ile	Lys	Glu
					95				100			105		
Ile	Gln	Arg	Arg	Phe	Pro	Thr	Trp	Thr	Pro	Asp	Gln	Tyr	Leu	Arg
					110				115			120		
Gly	Gly	Leu	Cys	Ala	Tyr	Ser	Gly	Gly	Ala	Gly	Tyr	Val	Arg	Ser
					125				130			135		
Ser	Gln	Asp	Leu	Ser	Cys	Asp	Phe	Cys	Asn	Asp	Val	Leu	Ala	Arg
					140				145			150		
Ala	Lys	Tyr	Leu	Lys	Arg	His	Gly	Phe						
				155										

<210> 14

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7514570CD1

<400> 14

Met His Asp Ser Asn Asn Val Glu Lys Asp Ile Thr Pro Ser Glu
1 5 10 15
Leu Pro Ala Asn Pro Ala Ile Arg Ala Asn Cys His Gln Glu Pro
20 25 30
Ser Val Cys Leu Gln Ala Ala Cys Pro Glu Ser Trp Ile Gly Phe
35 40 45
Gln Arg Lys Cys Phe Tyr Phe Ser Asp Asp Thr Lys Asn Trp Thr
50 55 60
Ser Ser Gln Arg Phe Cys Asp Ser Gln Asp Ala Asp Leu Ala Gln
65 70 75
Val Glu Ser Phe Gln Glu Leu Asn Phe Leu Leu Arg Tyr Lys Gly
80 85 90
Pro Ser Asp His Trp Ile Gly Leu Ser Arg Glu Gln Gly Gln Pro
95 100 105
Trp Lys Trp Ile Asn Gly Thr Glu Trp Thr Arg Gln Phe Pro Ile
110 115 120
Leu Gly Ala Gly Glu Cys Ala Tyr Leu Asn Asp Lys Gly Ala Ser
125 130 135
Ser Ala Arg His Tyr Thr Glu Arg Lys Trp Ile Cys Ser Lys Ser
140 145 150
Asp Ile His Val

<210> 15

<211> 431

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7515114CD1

<400> 15

Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu
1 5 10 15
Leu Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu
20 25 30
Arg Arg Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala
35 40 45
Leu Pro Gly Ala Gly Ile Pro Phe Trp Ser His His Gly Asp Ala
50 55 60
Ile Leu Gly Leu Glu Glu Val Arg Leu Thr Pro Ser Met Arg Asn
65 70 75
Arg Ser Gly Ala Val Trp Ser Arg Ala Ser Val Pro Phe Ser Ala
80 85 90
Trp Glu Val Glu Val Gln Met Arg Val Thr Gly Leu Gly Arg Arg
95 100 105
Gly Ala Gln Gly Met Ala Val Trp Tyr Thr Arg Gly Arg Gly His
110 115 120
Val Gly Ser Val Leu Gly Gly Leu Ala Ser Trp Asp Gly Ile Gly
125 130 135
Ile Phe Phe Asp Ser Pro Ala Glu Asp Thr Gln Asp Ser Pro Ala
140 145 150
Ile Arg Val Leu Ala Ser Asp Gly His Ile Pro Ser Glu Gln Pro
155 160 165
Gly Asp Gly Ala Ser Gln Gly Leu Gly Ser Cys His Trp Asp Phe
170 175 180
Arg Asn Arg Pro His Pro Phe Arg Ala Arg Ile Thr Tyr Trp Gly
185 190 195
Gln Arg Leu Arg Met Ser Leu Asn Ser Gly Leu Thr Pro Ser Asp

Pro	Gly	Glu	Phe	200	Cys	Val	Asp	Val	Gly	205	Pro	Leu	Leu	Leu	Val	Pro
				215						220					225	
Gly	Gly	Phe	Phe		Gly	Val	Ser	Ala	Ala	230	Thr	Gly	Thr	Leu	Ala	Gly
										235					240	
Glu	Asp	Pro	Thr		Gly	Gln	Val	Pro	Pro	245	Gln	Pro	Phe	Leu	Glu	Met
										250					255	
Gln	Gln	Leu	Arg		Leu	Ala	Arg	Gln	Leu	260	Gly	Leu	Trp	Ala	Arg	
										265					270	
Leu	Gly	Leu	Gly		Thr	Arg	Glu	Asp	Val	275	Thr	Pro	Lys	Ser	Asp	Ser
										280					285	
Glu	Ala	Gln	Gly		Glu	Gly	Glu	Arg	Leu	290	Phe	Asp	Leu	Glu	Glu	Thr
										295					300	
Leu	Gly	Arg	His		Arg	Arg	Ile	Leu	Gln	305	Ala	Leu	Arg	Gly	Leu	Ser
										310					315	
Lys	Gln	Leu	Ala		Gln	Ala	Glu	Arg	Gln	320	Trp	Lys	Lys	Gln	Leu	Gly
										325					330	
Pro	Pro	Gly	Gln		Thr	Arg	Pro	Asp	Gly	335	Gly	Trp	Ala	Leu	Asp	Ala
										340					345	
Ser	Cys	Gln	Ile		Pro	Ser	Thr	Pro	Gly	350	Arg	Gly	Gly	His	Leu	Ser
										355					360	
Met	Ser	Leu	Asn		Lys	Asp	Ser	Ala	Lys	365	Val	Gly	Ala	Leu	Leu	His
										370					375	
Gly	Gln	Trp	Thr		Leu	Leu	Gln	Ala	Leu	380	Gln	Glu	Met	Ser	Arg	Gln
										385					390	
Glu	Leu	Asn	Lys		Ser	Leu	Gln	Glu	Cys	395	Leu	Ser	Thr	Gly	Ser	Leu
										400					405	
Pro	Leu	Gly	Pro		Ala	Pro	His	Thr	Pro	410	Arg	Ala	Leu	Gly	Ile	Leu
										415					420	
Arg	Arg	Gln	Pro		Leu	Pro	Ala	Ser	Met	425	Pro	Ala				
										430						

<210> 16
<211> 442
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7515136CD1

<400>	16														
Met	Pro	Ala	Val	Ser	Gly	Pro	Leu	Phe	Cys	Leu	Leu	Leu			
					5			10					15		
					1										
Leu	Leu	Leu	Asp	Pro	His	Ser	Pro	Glu	Thr	Gly	Cys	Pro	Pro	Leu	
								20					30		
Arg	Arg	Phe	Glu	Tyr	Lys	Leu	Ser	Phe	Lys	Gly	Pro	Arg	Leu	Ala	
								35					45		
Leu	Pro	Gly	Ala	Gly	Ile	Pro	Phe	Trp	Ser	His	His	Gly	Asp	Ala	
								50					60		
Ile	Leu	Gly	Leu	Glu	Glu	Val	Arg	Leu	Thr	Pro	Ser	Met	Arg	Asn	
								65					75		
Arg	Ser	Gly	Ala	Val	Trp	Ser	Arg	Ala	Ser	Val	Pro	Phe	Ser	Ala	
								80					90		
Trp	Glu	Val	Glu	Val	Gln	Met	Arg	Val	Thr	Gly	Leu	Gly	Arg	Arg	
								95					105		
Gly	Ala	Gln	Gly	Met	Ala	Val	Trp	Tyr	Thr	Arg	Gly	Arg	Gly	His	
								110					120		
Val	Gly	Ser	Val	Leu	Gly	Gly	Leu	Ala	Ser	Trp	Asp	Gly	Ile	Gly	
								125					135		
Ile	Phe	Phe	Asp	Ser	Pro	Ala	Glu	Asp	Thr	Gln	Asp	Ser	Pro	Ala	
								140					150		
Ile	Arg	Val	Leu	Ala	Ser	Asp	Gly	His	Ile	Pro	Ser	Glu	Gln	Pro	

	155	160	165
Gly Asp Gly Ala	Ser Gln Gly Leu Gly	Ser Cys His Trp Asp	Phe
170	175	180	
Arg Asn Arg Pro	His Pro Phe Arg Ala	Arg Ile Thr Tyr Trp	Gly
185	190	195	
Gln Arg Leu Arg	Met Ser Leu Asn Ser	Gly Leu Thr Pro Ser	Asp
200	205	210	
Pro Gly Glu Phe	Cys Val Asp Val Gly	Pro Leu Leu Leu Val	Pro
215	220	225	
Gly Gly Phe Phe	Gly Val Ser Ala Ala	Thr Gly Thr Leu Ala	Asp
230	235	240	
Asp His Asp Val	Leu Ser Phe Leu Thr	Phe Ser Leu Ser Glu	Pro
245	250	255	
Ser Pro Glu Val	Pro Pro Gln Pro Phe	Leu Glu Met Gln Gln	Leu
260	265	270	
Arg Leu Ala Arg	Gln Leu Glu Gly Leu	Trp Ala Arg Leu Gly	Leu
275	280	285	
Gly Thr Arg Glu	Asp Val Thr Pro Lys	Ser Asp Ser Glu Ala	Gln
290	295	300	
Gly Glu Gly Glu	Arg Leu Phe Asp Leu	Glu Glu Thr Leu Gly	Arg
305	310	315	
His Arg Arg Ile	Leu Gln Ala Leu Arg	Gly Leu Ser Lys Gln	Leu
320	325	330	
Ala Gln Ala Glu	Arg Gln Trp Lys Lys	Gln Leu Gly Pro Pro	Gly
335	340	345	
Gln Ala Arg Pro	Asp Gly Gly Trp Ala	Leu Asp Ala Ser Cys	Gln
350	355	360	
Ile Pro Ser Thr	Pro Gly Arg Gly Gly	His Leu Ser Met Ser	Leu
365	370	375	
Asn Lys Asp Ser	Ala Lys Val Gly Ala	Leu Leu His Gly Gln	Trp
380	385	390	
Thr Leu Leu Arg	Ala Leu Gln Glu Met	Arg Gln Glu Leu Asn	Lys
395	400	405	
Ser Leu Gln Glu	Cys Leu Ser Thr Gly	Ser Leu Pro Leu Gly	Pro
410	415	420	
Ala Pro His Thr	Pro Arg Ala Leu Gly	Ile Leu Arg Arg Gln	Pro
425	430	435	
Leu Pro Ala Ser	Met Pro Ala		
440			

<210> 17
<211> 198
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7515308CD1

	<400> 17		
Met Thr Ser Glu Ile Thr Tyr Ala Glu Val Arg Phe Lys Asn Glu			
1	5	10	15
Phe Lys Ser Ser Gly	Ile Asn Thr Ala Ser Ser Ala Val Phe Phe		
20	25	30	
Gln Lys Tyr Ser Gln	Leu Leu Glu Lys Lys Thr Thr Lys Glu Leu		
35	40	45	
Val His Thr Thr Leu	Glu Cys Val Lys Lys Asn Met Pro Val Glu		
50	55	60	
Glu Thr Ala Trp Ser	Cys Cys Pro Lys Asn Trp Lys Ser Phe Ser		
65	70	75	
Ser Asn Cys Tyr Phe	Ile Ser Thr Glu Ser Ala Ser Trp Gln Asp		
80	85	90	
Ser Glu Lys Asp Cys	Ala Arg Met Glu Ala His Leu Val Ile		

	95	100	105
Asn Thr Gln Glu	Glu	Gln Asp Phe Ile	Phe Gln Asn Leu Gln Glu
	110	115	120
Glu Ser Ala Tyr	Phe Val Gly Leu Ser	Asp Pro Glu Gly Gln Arg	
	125	130	135
His Trp Gln Trp	Val Asp Gln Thr Pro	Tyr Asn Glu Ser Ser Ala	
	140	145	150
Phe Trp His Pro	Arg Glu Pro Ser Asp	Pro Asn Glu Arg Cys Val	
	155	160	165
Val Leu Asn Phe	Arg Lys Ser Pro Lys	Arg Trp Gly Trp Asn Asp	
	170	175	180
Val Asn Cys Leu	Gly Pro Gln Arg Ser	Val Cys Glu Met Met Lys	
	185	190	195
Ile His Leu			

<210> 18
<211> 336
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7516738CD1

	<400> 18		
Met Leu Leu Phe Leu Leu Ser Ala Leu Val	Leu Leu Thr Gln Pro		
1	5	10	15
Leu Gly Tyr Leu Glu	Ala Glu Met Lys	Thr Tyr Ser His Arg Thr	
	20	25	30
Met Pro Ser Ala Cys	Thr Leu Val Met	Cys Ser Ser Val Glu Ser	
	35	40	45
Gly Leu Pro Gly Arg	Asp Gly Arg Asp	Gly Arg Glu Gly Pro Arg	
	50	55	60
Gly Glu Lys Gly Asp	Pro Gly Leu Pro	Gly Ala Ala Gly Gln Ala	
	65	70	75
Gly Met Pro Gly Gln	Ala Gly Pro Val	Gly Pro Lys Gly Asp Asn	
	80	85	90
Gly Ser Val Gly Glu	Pro Gly Pro Lys	Gly Asp Thr Gly Pro Ser	
	95	100	105
Gly Glu Val Gly Ala	Pro Gly Met Gln	Gly Ser Ala Gly Ala Arg	
	110	115	120
Gly Leu Ala Gly	Pro Lys Gly Glu Arg	Gly Val Pro Gly Glu Arg	
	125	130	135
Gly Val Pro Gly	Asn Ala Gly Ala Ala	Gly Ser Ala Gly Ala Met	
	140	145	150
Gly Pro Gln Gly	Ser Pro Gly Ala Arg	Gly Pro Pro Gly Leu Lys	
	155	160	165
Gly Asp Lys Gly	Ile Pro Gly Asp Lys	Gly Ala Lys Gly Ser	
	170	175	180
Gly Leu Pro Asp	Val Ala Ser Leu Arg	Gln Gln Val Glu Ala Leu	
	185	190	195
Gln Gly Gln Val	Gln His Leu Gln Ala	Ala Phe Ser Gln Tyr Lys	
	200	205	210
Lys Val Glu Leu	Phe Pro Asn Gly Gln	Ser Val Gly Glu Lys Ile	
	215	220	225
Phe Lys Thr Ala	Gly Phe Val Lys Pro	Phe Thr Glu Ala Gln Leu	
	230	235	240
Leu Cys Thr Gln Ala	Gly Gly Gln Leu	Ala Ser Pro Arg Ser Ala	
	245	250	255
Ala Glu Asn Ala	Ala Leu Gln Gln Leu	Val Val Ala Lys Asn Glu	
	260	265	270
Ala Ala Phe Leu	Ser Met Thr Asp Ser	Lys Thr Glu Gly Lys Phe	

	275	280	285											
Thr	Tyr	Pro	Thr	Gly	Glu	Ser	Leu	Val	Tyr	Ser	Asn	Trp	Ala	Pro
				290	295	300								
Gly	Glu	Pro	Asn	Asp	Asp	Gly	Gly	Ser	Glu	Asp	Cys	Val	Glu	Ile
				305	310	315								
Phe	Thr	Asn	Gly	Lys	Trp	Asn	Asp	Arg	Ala	Cys	Gly	Glu	Lys	Arg
				320	325	330								
Leu	Val	Val	Cys	Glu	Phe									
				335										

<210> 19
<211> 258
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7518619CD1

<400>	19													
Met	Met	Leu	Ser	Leu	Asn	Asn	Leu	Gln	Asn	Ile	Ile	Tyr	Asn	Pro
														15
1				5					10					
Val	Ile	Pro	Tyr	Val	Gly	Thr	Ile	Pro	Asp	Gln	Leu	Asp	Pro	Gly
														30
				20				25						
Thr	Leu	Ile	Val	Ile	Cys	Gly	His	Val	Pro	Ser	Asp	Ala	Asp	Arg
														45
				35				40						
Phe	Gln	Val	Asp	Leu	Gln	Asn	Gly	Ser	Ser	Val	Lys	Pro	Arg	Ala
														60
				50				55						
Asp	Val	Ala	Phe	His	Phe	Asn	Pro	Arg	Phe	Lys	Arg	Ala	Gly	Cys
														75
				65				70						
Ile	Val	Cys	Asn	Thr	Leu	Ile	Asn	Glu	Lys	Trp	Gly	Arg	Glu	Glu
														90
				80				85						
Ile	Thr	Tyr	Asp	Thr	Pro	Phe	Lys	Arg	Glu	Lys	Ser	Phe	Glu	Ile
														105
				95				100						
Val	Ile	Met	Val	Leu	Lys	Asp	Lys	Phe	Gln	Val	Pro	Lys	Ser	Gly
														120
				110				115						
Thr	Pro	Gln	Leu	Ser	Leu	Pro	Phe	Ala	Ala	Arg	Leu	Asn	Thr	Pro
														135
				125				130						
Met	Gly	Pro	Gly	Arg	Thr	Val	Val	Val	Lys	Gly	Glu	Val	Asn	Ala
														150
				140				145						
Asn	Ala	Lys	Ser	Phe	Asn	Val	Asp	Leu	Leu	Ala	Gly	Lys	Ser	Lys
														165
				155				160						
Asp	Ile	Ala	Leu	His	Leu	Asn	Pro	Arg	Leu	Asn	Ile	Lys	Ala	Phe
														180
				170				175						
Val	Arg	Asn	Ser	Phe	Leu	Gln	Glu	Ser	Trp	Gly	Glu	Glu	Arg	
														195
				185				190						
Asn	Ile	Thr	Ser	Phe	Pro	Phe	Ser	Pro	Gly	Met	Tyr	Phe	Glu	Met
														210
				200				205						
Ile	Ile	Tyr	Cys	Asp	Val	Arg	Glu	Phe	Lys	Val	Ala	Val	Asn	Gly
														225
				215				220						
Val	His	Ser	Leu	Glu	Tyr	Lys	His	Arg	Phe	Lys	Glu	Leu	Ser	Ser
														240
				230				235						
Ile	Asp	Thr	Leu	Glu	Ile	Asn	Gly	Asp	Ile	His	Leu	Leu	Glu	Val
														255
				245				250						
Arg	Ser	Trp												

<210> 20
<211> 132
<212> PRT
<213> Homo sapiens

<220>

<221> misc_feature
<223> Incyte ID No: 7513061CD1

<400> 20
Met Ala Gln Thr Asn Ser Phe Phe Met Leu Ile Ser Ser Leu Met
1 5 10 15
Phe Leu Ser Leu Ser Gln Gly Gln Glu Ser Gln Thr Glu Leu Pro
20 25 30
Asn Pro Arg Ile Ser Cys Pro Glu Gly Thr Asn Ala Tyr Arg Ser
35 40 45
Tyr Cys Tyr Tyr Phe Asn Glu Asp Pro Glu Thr Trp Val Asp Ala
50 55 60
Asp Leu Tyr Cys Gln Asn Met Asn Ser Gly Asn Leu Val Ser Val
65 70 75
Leu Thr Gln Ala Glu Gly Ala Phe Val Ala Ser Leu Ile Lys Glu
80 85 90
Ser Ser Thr Asp Asp Ser Asn Val Trp Ile Gly Leu His Asp Pro
95 100 105
Lys Lys Asp Ser Arg Asn Gly Arg Met Asn Leu Val Arg Arg Ser
110 115 120
Ser Pro Leu Phe Ala Ser Ser Lys Thr Arg Gly Ser
125 130

<210> 21
<211> 1143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7521032CB1

<400> 21
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aactcacaga cggccagatg ggaggtggag cagggacgtc attccactgg ccattttca 120
gtagcaatac acaatcttca tcagaaccag cattgttggg ttcaccctcg ttccagttg 180
tgttagtcag tctatccctc gtcaagatcca caaaactgccc ttctgtcttc tcatcagtga 240
tgcccaggaa ggcttcctcc ttgatgagat tctgaatgge tccatgtccc tgtttccatc 300
actcccttc cttcttcgtc gtatggggc agcgtcttac tcagaaaactg tgacctgtga 360
ggatgccccaa aagacctgcc ctgcagtgtat gcctgttgc tctccaggca tcaacggctt 420
cccaggccaa gatggggctgt atggcaccaa ggggaaaaag ggggaaaccag gccaagggct 480
cagaggctt cagggccccc ctggaaagtt ggggcctcca gggaaatccag ggccttctgg 540
gtcaccagga ccaaaggggcc aaaaaggaga ccctggaaaa agtccgggtt aggaccccaag 600
caaggctctga gctgacttca cccagggtt ctgagacctt gagtatctga tgggtatagt 660
agctggctg cctcagaaag aaaagctctg caaacagaaa tggcacgtat caaaaagtgg 720
ctgacccctt ctctggccaa acaagttggg aacaaggttt tcctgaccaa tggtgaaata 780
atgacccctt aaaaagtggaa ggccttgggt gtcaagttcc aggccctgt ggcacccccc 840
aggaatgctg cagagaatgg agccattcag aatctcatca aggaggaagc cttccctggc 900
atcactgtat agaagacaca agggcagttt gtggatctga cagggaaatag actgacctac 960
acaaactggaa acgggggtga acccaacaat gctggttctg atgaagattg tggattgtca 1020
ctgaaaaatg gccagtggaa tgacgtcccc tgctccacct cccatctggc cgtctgtgag 1080
ttcccttatct gaagggtcat atcactcagg ccctccttgt cttttactg caaccacag 1140
gca 1143

<210> 22
<211> 2591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2936048CB1

<400> 22

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ggccgcata aaccccccctt ctcgggttc cctgacgcgg cggcaggagc tgttacaac 120
accctgcgtg tggctctcga tgcccttcag tgagggtggg acgcctggac cctggtgagc 180
gaaccccaag ccaccccccac ccccaactca gtgtcttcgc cgccccccgg cccgtacgcc 240
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